

**ABSTRACT OF THE DISCLOSURE**

An electrophoretic display (EPD) has two opposite substrates with electrodes, a fluid and multiple colored charged particles in the fluid. The substrates are defined reflective areas and transmissive areas and has a front face and a rear face. When a positive or negative electric potential is applied to the electrodes on the opposite substrates, the colored charged particles are collected to the reflective areas or the transmissive areas. Therefore, a front light radiated to the first substrate is reflected and a backlight radiated to the second substrate can be controlled to pass through the two opposite substrates. Thus, the EPD in accordance with the present invention can become the reflective or direct-viewing display or both of the reflective and direct-viewing display.